

FIG. 1

intron 6 / EXON 7

NORMAL HUMAN	---t g t g t g t g t t t t t a	g	G C C A G A C C C T C T T T G---
NORMAL CANINE	---t g t g t g t g t t t c a	g	G C C A G A C C C T C T T G---
GRMD MUTANT	---t g t g t g t g t t t c g	g	G c c a g a c c t c t t g---

T	T C G C G C - a c a c a c a c a a A A T C C g g u c u g g a g a a a c T	T
T	T G C G C G T G T G T G T T T T A G G C C A G A C C T C T T T G T	T
	3' 5'	

FIG. 2

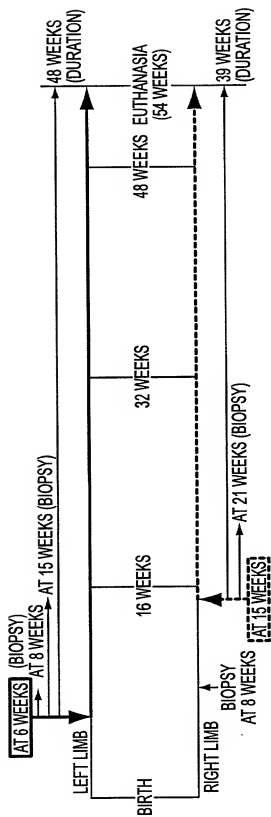


FIG. 3

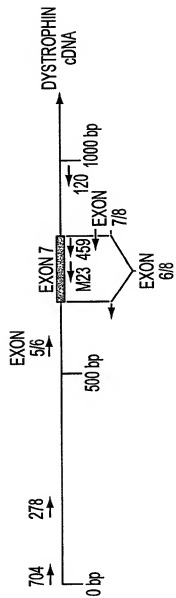


FIG. 4

NORMAL (C57) 3170 3180 3190 3200

...CAA AGT TCT TTG AAA GAG CAA CAA AAT GGC TTC AAC TAT CTG AGT ...

mdx (STOP)

...CAA AGT TCT TTG AAA GAG CAA TAA AAT GGC TTC AAC TAT CTG AGT ...

FIG. 5A

5' TCTTTGAAAGAGCAACAAAATGGCTTCAACTTTTguugaagccauuTTGTTGcucuuucaagaCGCGCTTTTGC 3'
3' 5'
T GC GCG TCT TTG AAA GAG CAA CAA AAT GGC TTC AAC T
T T
T T
T CG CGC aqa aac uuu cuc GTT GTT uua ccg aag uug T

FIG. 5B

^{3'} 5'
T GC GCG TCT TTG AAA GAG CAA CAA AAT GGC TTC AAC T
T
T CG CGC aga aac uuu cuc GTT GTT uua ccg aag uug T
||| ||| ||| ||| ||| ||| ||| ||| ||| |||
...CAA AGT TCT TTG AAA GAG CAA TAA AAT GGC TTC AAC TAT CTG ...
(mdx)
↓
...CAA AGT TCT TTG AAA GAG CAA CAA AAT GGC TTC AAC TAT CTG ...
(CORRECTED^a mdx)

FIG. 5C